

ABSTRACT

A device and method for emitting composite output light uses multiple wavelength-conversion mechanisms to convert the original light generated by a light source of the device into longer wavelength light to produce the composite output light. One of the wavelength-conversion mechanisms of the device is a fluorescent substrate of the light source that converts the original light into first converted light. Another wavelength-conversion mechanism of the device is a wavelength-conversion region optically coupled to the light source that converts the original light into second converted light. The original light, the first converted light and the second converted light are emitted from the device as components of the composite output light.